

Attorney Docket No. ASPI-002/04US

PATENT

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By: \_\_\_\_\_

*Michelle R. Crosby*  
Michelle R. Crosby

**IN THE UNITED STATES PATENT AND TRADEMARK OFFICE**

In re application of Chin-Shiou HUANG

Examiner: Not yet assigned

Serial No.: 10/782,340

Art Unit: Not yet assigned

Filed: February 18 2004

Confirmation No.: Not yet assigned

For: COMPOSITIONS AND METHODS FOR SURFACE IMPRINTING

Commissioner for Patents  
P.O. Box 1450  
Alexandria, VA 22313-1450

**INFORMATION DISCLOSURE STATEMENT TRANSMITTAL**

Enclosed is an Information Disclosure Statement and accompanying Form PTO/SB/08A for the above-identified patent application.

- ☒ [X] In accordance with 37 C.F.R. §1.97(b), no additional fee for submission of the IDS is required.
- ☐ [] In accordance with 37 C.F.R. §1.97(c), also enclosed is:
  - ☐ [] the fee of \$180.00 as set forth in 37 C.F.R. §1.17(p); or
  - ☐ [] a statement as specified in 37 C.F.R. §1.97(e).
- ☐ [] In accordance with 37 C.F.R. §1.97(d), a statement as specified in 37 C.F.R. § 1.97(e) and the fee of \$180.00 as set forth in 37 C.F.R. §1.17(p) are also enclosed.
- ☐ [] Check No. \_\_\_\_ in the amount of \$\_\_\_\_ for the total fee is attached.
- ☒ [X] A return receipt postcard is also enclosed.
- ☐ [] Please charge \$\_\_\_\_ to Deposit Account No. 03-3117 for the total fee. This paper is being submitted in duplicate.


The Commissioner is hereby authorized to charge any appropriate fees under 37 C.F.R. §§1.16, 1.17, and 1.21 that may be required by this paper, and to credit any overpayment, to Deposit Account No. 03-3117.

Dated: May 4, 2004

Cooley Godward LLP  
ATTN: Patent Group  
Five Palo Alto Square  
3000 El Camino Real  
Palo Alto, CA 94306-2155  
Tel: (650) 843-5000  
Fax: (650) 857-0663

Respectfully submitted,  
**COOLEY GODWARD LLP**

By:



Karen E. Flick, Ph.D.

Reg. No. 44,111



08/22/2003

Attorney Docket No. ASPI-002/04US

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**INFORMATION DISCLOSURE STATEMENT  
UNDER 37 C.F.R. §1.97(b)**

In accordance with the duty of disclosure set forth in 37 C.F.R. §1.56, Applicant(s) hereby submits the following information in conformance with 37 C.F.R. §§1.97 and 1.98.

No copies of the publications listed on the attached Form PTO/SB/08A are being provided pursuant to 37 C.F.R. §1.98(d) because the publications were previously cited by or submitted to the Office in prior Application Serial Nos. 09/507,299 and 09/970,641, to which the above-identified application claims priority under 35 U.S.C. §120.

Enclosed is a copy of pending patent Application Serial No. 09/895,644, filed June 28, 2001, entitled COMPOSITIONS AND METHODS FOR CAPTURING, ISOLATING, DETECTING, ANALYZING AND QUANTIFYING MACROMOLECULES; Application Serial No. 10/121,331, filed April 11, 2002, entitled INVERSE EMULSIONS METHODS OF MAKING POLYMERIC BEADS; and

Application Serial No. 10/443,613, filed May 21, 2003, entitled COMPOSITIONS AND METHODS FOR CAPTURING, ISOLATING, DETECTING, ANALYZING AND QUANTIFYING MACROMOLECULES.

This Information Disclosure Statement is filed within three months from the filing date of this national application other than a CPA under 37 C.F.R. § 1.53(d);

It is respectfully requested that the Examiner consider the above-noted information and return an initialed copy of the attached Form PTO/SB/08A to the undersigned.

Dated: May 4, 2004

Cooley Godward LLP  
ATTN: Patent Group  
Five Palo Alto Square  
3000 El Camino Real  
Palo Alto, CA 94306-2155  
Tel: (650) 843-5000  
Fax: (650) 857-0663

Respectfully submitted,  
**COOLEY GODWARD LLP**

By:



Karen E. Flick, Ph.D.  
Reg. No. 44,111



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PTO/SB/08A (08-00)

(30411-2040)

Substitute for form 1449A/PTO

**INFORMATION DISCLOSURE  
STATEMENT BY APPLICANT**

(use as many sheets as necessary)

**Complete if Known**

Sheet	1	of	2	Application Number	10/782,340
				Filing Date	February 18, 2004
				First Named Inventor	HUANG
				Group Art Unit	
				Examiner Name	
				Attorney Docket Number	ASPI-002/04US

**U.S. PATENT DOCUMENTS**

Examiner Initials*	Cite No. <sup>1</sup>	U.S. Patent Document		Name of Patentee or Applicant of Cited Document	Date of Publication of Cited Document MM-DD-YYYY
		Number	Kind Code <sup>2</sup> (if known)		
	P1	5,310,648		Arnold <i>et al.</i>	05-10-1994
	P2	5,372,719		Afeyan <i>et al.</i>	12-13-1994
	P3	5,453,199		Afeyan <i>et al.</i>	09-26-1995
	P4	5,541,342		Korhonen <i>et al.</i>	07-30-1996
	P5	5,587,273		Yan <i>et al.</i>	12-24-1996
	P6	5,630,978		Domb	05-20-1997
	P7	5,641,539		Afeyan <i>et al.</i>	06-24-1997
	P8	5,728,296		Hjertén <i>et al.</i>	03-17-1998
	P9	5,756,717		Paliwal <i>et al.</i>	03-26-1998
	P10	5,786,428		Arnold <i>et al.</i>	07-28-1998
	P11	5,801,221		Tanaka <i>et al.</i>	09-01-1998
	P12	5,814,223		Hjertén <i>et al.</i>	09-29-1998
	P13	5,821,311		Mosbach <i>et al.</i>	10-13-1998
	P14	5,858,296		Domb	01-12-1999
	P15	5,872,198		Mosbach <i>et al.</i>	02-16-1999
	P16	5,916,445		Hjertén <i>et al.</i>	06-29-1999
	P17	5,959,050		Mosbach <i>et al.</i>	09-28-1999
	P18	5,994,110		Mosbach <i>et al.</i>	11-30-1999
	P19	6,051,372		Bayerl <i>et al.</i>	04-18-2000
	P20	6,217,901		Perrott, <i>et al.</i>	04-17-2001
	P21	6,310,110		Markowitz, <i>et al.</i>	10-30-2001

**FOREIGN PATENT DOCUMENTS**

Examiner Initials*	Cite No. <sup>1</sup>	Foreign Patent Document			Name of Patentee or Applicant of Cited Document	Date of Publication of Cited Document MM-DD-YYYY	T <sup>6</sup>
		Office <sup>3</sup>	Number <sup>4</sup>	Kind Code <sup>5</sup> (if known)			
	F1	WO	WO 95/21673		Mosbach	08-17-1995	
	F2	WO	01/09035	A1	The United States Government (Markowitz, <i>et al.</i> )	02-08-2001	
	F3	WO	01/61355	A1	Aspira Biosystems, Inc.	08-23-2001	

Examiner Signature	Date Considered
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\*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

<sup>1</sup> Unique citation designation number.

<sup>2</sup> See attached Kinds of U.S. Patent Documents.

<sup>3</sup> Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3).

<sup>4</sup> For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document.

<sup>5</sup> Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST. 16 if possible.

<sup>6</sup> Applicant is to place a check mark here if English language Translation is attached.

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The PTO did not receive the following  
listed item(s).

at the time of indexing  
did not have NPLS. FOR

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PTO/SB/08A (08-00)

Substitute for form 1449A/PTO  <b>INFORMATION DISCLOSURE STATEMENT BY APPLICANT</b>  (use as many sheets as necessary)				<b>Complete if Known</b>	
				<b>Application Number</b>	10/782,340
				<b>Filing Date</b>	February 18, 2004
				<b>First Named Inventor</b>	<b>HUANG</b>
				<b>Group Art Unit</b>	
				<b>Examiner Name</b>	
<b>Sheet</b>	2	of	2	<b>Attorney Docket Number</b>	<b>ASPI-002/04US</b>

OTHER – NON PATENT LITERATURE DOCUMENTS				
Examiner Initials*	Cite No. <sup>1</sup>	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.		T <sup>2</sup>
	D1	BRAUN and KUCHEN, 1984, "Ionenselektive Austauschharze durch vernetzende Copolymerisation vinylsubstituierter Metallkomplexe," <u>Chemiker-Zeitung</u> 108:255-257 [in German]		
	D2	BYSTROM <i>et al.</i> , "Selective reduction of steroid 3- and 17-ketones using LiAlH <sub>4</sub> activated template polymers," 1993, <u>J. Am. Chem. Soc.</u> 115:2081-2083		
	D3	CORMACK and MOSBACH, 1999, "Molecular imprinting: recent developments and the road ahead," <u>Reactive and Functional Polymers</u> 41:115-124		
	D4	DAMEN <i>et al.</i> , 1980, "Stereoselective Synthesis via a Photochemical Template Effect," <u>J. Am. Chem. Soc.</u> 102:3265-3267		
	D5	DICKERT and HAYDEN, 1999, "Imprinting with sensor development – On the way to synthetic antibodies," <u>Fresenius J. Anal. Chem</u> 364:506-511		
	D6	DICKEY, 1949, "The preparation of specific adsorbents," <u>Proc. Natl. Acad. Sci. U.S.A.</u> 35:227-229		
	D7	GLAD, <i>et al.</i> , 1985, "Use of Silane Monomers for Molecular Imprinting and Enzyme Entrapment in Polysiloxane-Coated Porous Silica," <u>J. Chrom.</u> 347: 11-23		
	D8	KARMALKAR, <i>et al.</i> , 1996, "Molecularly Imprinted Hydrogels Exhibit Chymotrypsin-like Activity," <u>Macromolecules</u> 29: 1366-1368		
	D9	KEMPE, 1996, "Antibody-mimicking polymers as chiral stationary phases in HPLC," <u>Analytical Chemist</u> 68(11):1948-1953		
	D10	LEONHARDT, <i>et al.</i> , 1987, "Enzyme-Mimicking Polymers Exhibiting Specific Substrate Binding and Catalytic Functions," <u>Reactive Polymers</u> 6: 285-290		
	D11	SELLERGREN, 1994, "Imprinted dispersion polymers: a new class of easily accessible affinity stationary phases," <u>Journal of Chromatography</u> 673:133-141		
	D12	SELLERGREN, <i>et al.</i> , 1985, "Molecular Imprinting of Amino Acid Derivatives in Macroporous Polymers," <u>J. Chrom.</u> 347: 1-10		
	D13	SPIVAK and SHEA, 1998, "Binding of nucleotide bases by imprinted polymers," <u>Macromolecules</u> 31:2160-2165		
	D14	STIX, 1999, "Parsing cells," <u>Scientific American</u> July 1999:35-36		
	D15	UEZU <i>et al.</i> , 1999, "Molecular recognition using surface template polymerization," <u>Chemtech</u> 29(4):12-18		

	D16	WULFF <i>et al.</i> , 1985, "Enzyme-analogue built polymers, 18: Chiral cavities in polymer layers coated on wide-pore silica," <u>Reactive Polymers</u> 3:261-2757	
	D17	WULFF, 1998, "Fitting molecules into polymeric receptors," <u>Chemtech</u> 28:19-26	
	D18	YOSHIDA <i>et al.</i> , 1999, "Metal ion imprinted microsphere prepared by surface molecular imprinting technique using water-in-oil-in-water emulsions," <u>J. Appl. Polym. Sci.</u> 73:1223-1230	
	D19	YU and MOSBACH, 1997, "Molecular imprinting utilizing an amide functional group for hydrogen bonding leading to highly efficient polymers," <u>J. Org. Chem.</u> 62(12):4057-4064	

Examiner Signature		Date Considered	
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